



DATA SHEET



## 3Com® Switch 4005

### Key Benefits

### Modular Fast Ethernet with Feature-rich Layer 3 Switching

#### Flexibility

The modular 14-slot chassis provides a flexible edge solution for enterprises of all sizes and the core of smaller networks. Up to 96 ports of copper and fiber Fast Ethernet can be installed for desktop connectivity, while 1- and 2-port Gigabit modules can be used for aggregation.

#### High Availability and Fault Tolerance

Modular architecture provides flexibility and future-proofing to keep up with the demands of a growing network. Redundant components—power supplies, fan trays, and switch fabric—help ensure the network is always available.

#### Layer 3 Switching Performance

Scalable, high-performance, line-rate switching for applications requiring Layer 3. Protocols supported in the 3Com® Switch 4005 include OSPF, RIP (V1 and V2) and Multicast Routing (DVMRP).

The modularity of the 3Com Switch 4005 makes this product an ideal product for Fast Ethernet aggregation of desktop PC's.

The 10/100 operation of its Fast Ethernet over-copper modules enables a phased approach to upgrading the network, while with the support of 100Base-FX meets the requirements for fiber to the desktop. Gigabit Ethernet can then be

#### Advanced Security capabilities

Implement security policies on your network using IP Access Lists. These policies are implemented in hardware, thus not affecting switching performance or throughput.

#### Ease of Use

The 3Com Switch 4005 can automatically detect and select the optimum port speed, duplex mode, and cable connection (MDI/MDIX). The switch also incorporates built-in enhanced web management and configuration to ease switch monitoring and setup.

The 3Com Switch 4005 is supported by 3Com® Network Supervisor with network discovery, topology mapping, monitoring and alerting for easy network administration.

used for connectivity back to the core of the network.

The high-performance, feature rich Layer 3 switching, together with multi-media support and advanced switching features, also makes this an excellent aggregator for the core of the network.

## Specifications

<b>Dimensions</b>	<b>Environmental Ranges</b>	<b>Safety</b>
Height: 22.23 cm (8.75 in)	Operating temperature: 0° to 50°C (32° to 122°F)	CSA/NRTL (UL1950, CSA 22.2.950, 3rd Edition)
Width: 43.94 cm (17.3 in)	Operating humidity: 10% to 90% noncondensing	TUV/GS (EN 60950, 3rd Edition, including Amendments and Annexes ZB, ZC; with GS Mark (Bauart Mark for power supplies)
Depth: 43.68 cm (17.2 in)	Storage temperature: -40° to 70°C (-40° to 158°F)	CB Report/Certificate to IEC 60950, including all national deviations
Weight: 22.68 kg (50 lb)	Storage humidity: 10% to 90% noncondensing	
<b>Performance</b>	<b>SNMP Standards</b>	<b>Management</b>
24 Gbps total bandwidth	SNMP Protocol (RFC 1157)	3Com Network Supervisor (trial copy provided on accompanying CD)
18 Mpps forwarding performance	MIB-II (RFC1213)	Backup and Restore
RIP v1 and RIP v2	Bridge MIB (RFC 1493)	Web Management
OSPF	RMON MIB II (RFC 2021)	Command line interface
UDP/DHCP Helper	Remote Monitoring MIB (RFC 1557)	SNMP
DVMRP Multicast Routing	MAU MIB (RFC 2239)	Four RMON groups
Access Control Lists		
256 VLANs		
Link Aggregation (802.3ad trunking)	<b>Electromagnetic Compatibility</b>	<b>Warranty</b>
Fast Spanning Tree Protocol	The Switch 4005 is certified with the following standards:	One year hardware warranty; ninety (90) days software warranty. Refer to <a href="http://3com.com/warranty">3com.com/warranty</a> for details.
802.1p and 802.1Q	CE Mark	
802.3x flow control	Australian Declaration of Conformity for tick-mark	
<b>Power</b>		
300 W AC Power Supply		
Input voltage: 90-264 VAC, autoranging		
Operating frequency: 47-63 Hz	<b>Emissions</b>	
Maximum input current: 6 A at 100 VAC; 3.1 A at 200 VAC	FCC, Part 15 Subpart B, Class A	
<b>Maximum Power Consumption</b>	Canada, ICES003, Class A	
455 W (1,553 Btu/hour)	VCCI Class A	
	EN 55022/CISPR 22, Class A	
	AS/NZS 3548, Class A	
	CNS 13438, Class A	
	Korea No. 34, Class A	

## Ordering Information

<b>3Com Switch 4005 40-Port Copper</b>	<b>Modules, continued</b>
Fast Ethernet Starter Kit (RJ-45 connectors)	Switch 4005 1-Port GBIC Module** (GBIC)
3C16830	3C16826
Switch 4005 32-Port Copper and Fiber	Switch 4005 2-Port 1000BASE-T Module (RJ-45)
Fast Ethernet Starter Kit (RJ-45, MT-RJ)	3C16831
3C16832	3C16841
Switch 4005 10-Port Copper	Switch 4005 2-Port 1000BASE-SX Module (MT-RJ)
Gigabit Ethernet Starter Kit (RJ-45)	3C16842
3C16833	Switch 4005 2-Port GBIC Module** (GBIC)
Switch 4005 10-Port Fiber	3C16843
Gigabit Ethernet Starter Kit (MT-RJ)	
3C16833	
<b>Software</b>	<b>Spare Components</b>
Switch 4005 v2.0 Advanced Software	Switch 4005 Chassis/Power Supply/ Fan/Fabric/Management
3C16844	3C16820
<i>For units running earlier versions to upgrade to version 2.0 features</i>	Switch 4005 300-Watt Power Supply
	3C16822
	Switch 4005 Fan Assembly
	3C16823
	Switch 4005 Fabric/Management Module
	3C16824
<b>Modules</b>	<b>Spare GBICs</b>
Switch 4005 8-port 10/100BASE-TX Module (RJ-45)	1000BASE-SX GBIC
3C16828	3CGBIC91
Switch 4005 8-port 100BASE-FX Module (MT-RJ)	1000BASE-LX GBIC
3C16829	3CGBIC92
Switch 4005 1-Port 1000BASE-SX Module (SC connector)	1000BASE-LH70 GBIC
3C16825	3CGBIC97
Switch 4005 1-Port 1000BASE-T Module (RJ-45)	
3C16827	

\*\*GBIC ordered separately.

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 To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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